| Ref | Hits  | Search Query  | DBs  | Default<br>Operator | Plurals | Time Stamp       |
|-----|-------|---|--|---------------------|---------|------------------|
| L1  | 3     | granular with (pn or p-n) with (solar<br>or photovoltaic or pv) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND                 | ON      | 2007/06/24 19:36 |
| S1  | 537   | 320/101.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND                 | ON      | 2007/06/23 17:32 |
| S2  | 518   | 320/116.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND                 | ON      | 2007/06/23 17:33 |
| S3  | 239   | 320/117.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND                 | ON .    | 2007/06/23 17:33 |
| S4  | 175   | 320/121.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND                 | ON      | 2007/06/23 17:34 |
| S5  | 10650 | (plural\$3 or multiple) near8 (solar or pv or photovoltaic)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND                 | ON      | 2007/06/23 17:34 |
| S6  | 132   | S1 S5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND                 | ON      | 2007/06/23 17:35 |

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|-----|------|--|--|--------|----|------------------|
| S7  | 4    | S2 S5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND    | ON | 2007/06/23 17:35 |
| S8  | 3    | S3 S5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND .  | ON | 2007/06/23 17:35 |
| S9  | 0    | S4 S5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND    | ON | 2007/06/23 17:35 |
| S10 | 141  | 307/71.ccls.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND .  | ON | 2007/06/23 17:35 |
| S11 | 5    | S5 and S10                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND    | ON | 2007/06/23 17:35 |
| S12 | 2754 | switch\$3 connect\$3 positive negative electrode | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH . | ON | 2007/06/23 18:03 |
| S13 | 1    | S10 and S12                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH   | ON | 2007/06/23 18:03 |

|     |         |   |  |      | r    | ·                |
|-----|---------|---|--|------|------|------------------|
| S14 | 57887   | "307"/\$.ccls.                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON . | 2007/06/23 18:04 |
| S15 | 115     | S12 and S14                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON   | 2007/06/23 18:05 |
| S16 | 23      | inverter S15                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON   | 2007/06/23 18:05 |
| S17 | 264923  | (plural\$3 or multiple) near10<br>switch\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON   | 2007/06/23 18:08 |
| S18 | 5196839 | parallel or series                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON   | 2007/06/23 18:09 |
| S19 | 2393556 | voltage                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON . | 2007/06/23 18:09 |
| S20 | 23      | S5 S17 S18 S19                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON   | 2007/06/23 18:09 |
| S21 | 39      | ("4175249").URPN.                           | USPAT  | AND  | ON   | 2007/06/23 18:14 |
| S22 | 4       | ("5455884").URPN.                           | USPAT  | AND  | ON   | 2007/06/23 18:45 |

|     |        |  | <del>-</del>   | 1   |    |                  |
|-----|--------|--|--|-----|----|------------------|
| S23 | 2      | ("6583522").URPN.  | USPAT .  | AND | ON | 2007/06/23 18:46 |
| S24 | 13     | ("4175249"   "4375593"   "5199429"<br>  "5449959"   "5461264"  <br>"5500052"   "5506456"   "5514916"<br>  "5684385"   "5914869"  <br>"6060790"   "6262494"  <br>"6376932").PN. | US-PGPUB;<br>USPAT;<br>USOCR   | AND | ON | 2007/06/23 18:47 |
| S25 | 39     | ("4175249").URPN.  | USPAT  | AND | ON | 2007/06/23 18:54 |
| S26 | 798308 | capacitor  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/23 19:35 |
| S27 | 156    | S2 S26   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/23 19:35 |
| S28 | 343528 | switch\$3 with (adjust\$3 or switch\$3 or multi\$1) near6 voltage  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/23 19:36 |
| S29 | 105    | S27 and S28  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/23 19:36 |
| S30 | 964613 | invert\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/23 19:37 |
| S31 | 48     | S29 and S30  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/06/23 19:37 |

| S32 | 2   | "20040246635"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;            | AND . | ON | 2007/06/23 19:49 |
|-----|-----|--|--|-------|----|------------------|
|     |     |  | IBM_TDB  |       |    |                  |
| S33 | 0   | ("2004/0246635").URPN.   | USPAT  | AND   | ON | 2007/06/23 19:55 |
| S34 | 0   | JP-9322557-\$.DID. OR<br>JP-2001218365-\$.DID. OR<br>JP-2002010520-\$.DID. OR<br>JP-7322633-\$.DID. OR<br>US-9815983-\$.DID. | USPAT  | AND   | ON | 2007/06/23 20:03 |
| S35 | 0   | JP-9322557-\$.DID. OR<br>JP-2001218365-\$.DID. OR<br>JP-2002010520-\$.DID. OR<br>JP-7322633-\$.DID. OR<br>US-9815983-\$.DID. | USPAT  | OR    | ON | 2007/06/23 20:03 |
| S36 | . 4 | JP-9322557-\$.DID. OR<br>JP-2001218365-\$.DID. OR<br>JP-2002010520-\$.DID. OR<br>JP-7322633-\$.DID. OR<br>US-9815983-\$.DID. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR    | ON | 2007/06/23 20:04 |
| S37 | 14  | "9322557" OR "2001218365" OR<br>"2002010520" OR "7322633" OR<br>"9815983"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR    | ON | 2007/06/23 20:05 |
| S38 |     | ("4175249" "4238820" "5977659").<br>PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR    | ON | 2007/06/23 20:08 |
| S39 | 14  | "4238820"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR    | ON | 2007/06/23 20:16 |

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| S40 | 13     | "3349181"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;                                     | OR    | ON | 2007/06/23 20:19 |
|-----|--------|--|--|-------|----|------------------|
|     |        |  | EPO; JPO;<br>DERWENT;<br>IBM_TDB   |       |    |                  |
| S41 | 1003   | (plural\$3 or multiple) near8 (solar or<br>pv or photovoltaic or cell or unit)<br>parallel capacitor | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH  | ON | 2007/06/23 20:20 |
| S42 | 264923 | (plural\$3 or multiple) near10<br>switch\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND   | ON | 2007/06/23 20:21 |
| S43 | 167    | S41 same S42   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND   | ON | 2007/06/23 20:21 |
| S44 | 57887  | "307"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND   | ON | 2007/06/23 20:22 |
| S45 | 15686  | "320"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND   | ON | 2007/06/23 20:22 |
| S46 | 71313  | S44 or S45   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND . | ON | 2007/06/23 20:22 |

| S47 | 17     | S43 and S46   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON   | 2007/06/23 20:22 |
|-----|--------|---|--|------|------|------------------|
| S48 | 767359 | (plural\$3 or multiple) near8 (solar or<br>pv or photovoltaic or cell or unit or<br>modules)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON   | 2007/06/23 20:26 |
| S49 | 997480 | (group or plural\$3 or multiple) near8 (solar or pv or photovoltaic or cell or unit or modules) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON . | 2007/06/23 20:26 |
| S50 | 512368 | (adjust\$3 or switch\$3 or regulat\$3)<br>near6 voltage   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON   | 2007/06/23 20:28 |
| S51 | 7643   | S48 S49 S50   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON   | 2007/06/23 20:28 |
| S52 | 283438 | parallel with series  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON   | 2007/06/23 20:29 |
| S53 | 450    | S51 S52   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON   | 2007/06/23 20:29 |

| S54 | 121 | capacitor same S53  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON  | 2007/06/23 20:30 |
|-----|-----|---|--|------|-----|------------------|
| S55 | 61  | "6,642,693" "6,356,055" "5,814,970"<br>"5,952,815" "5,767,660"<br>"20050077879"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2007/06/23 21:23 |
| S56 | 7   | (("6,642,693") or ("6,356,055") or ("5,814,970") or ("5,952,815") or ("5,767,660") or ("20050077879") or ("5631534")).PN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR   | OFF | 2007/06/23 21:25 |